



TEREZ PMMA 5003			
PMMA			Ter Plastics
Product Texts			
Standard grade, injection moulding, good heat deflection temperature. Automobile brakelites, scratch resistant, optical high quality moulding parts.			
Rheological properties			
	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	5	g/10min	ISO 1133
MFI temperature	230	°C	ISO 1133
MFI load	3.8	kg	ISO 1133
Mechanical properties			
	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3200	MPa	ISO 527-1/-2
Stress at break	73	MPa	ISO 527-1/-2
Strain at break	3.5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	20	kJ/m ²	ISO 179/1eU
Thermal properties			
	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	95	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	100	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	103	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
Other properties			
	Value	Unit	Test Standard
ISO Data			
Density	1190	kg/m ³	ISO 1183